

Title (en)

NOISE REMOVAL IN NON-UNIFORMLY SPACED SEISMIC RECEIVER ARRAYS

Title (de)

RAUSCHENTFERNUNG IN UNGLEICHMÄSSIG BEABSTANDETEN SEISMISCHEN EMPFÄNGER-ARRAYS

Title (fr)

ÉLIMINATION DU BRUIT DANS DES RÉSEAUX DE RÉCEPTEURS SISMIQUES ESPACÉS DE FAÇON NON UNIFORME

Publication

**EP 3210047 A1 20170830 (EN)**

Application

**EP 15787423 A 20151020**

Priority

- US 201462065990 P 20141020
- US 2015056421 W 20151020

Abstract (en)

[origin: US2016109595A1] Embodiments of non-uniformly spaced seismic receiver arrays and associated noise removal techniques are disclosed. In one embodiment of a method of seismic data acquisition, a plurality of seismic receivers may be positioned in an array having a plurality of regions, each region in the array having a respective average spacing between seismic receivers, with the average spacing in a second region of the plurality of regions being greater than the average spacing in a first region of the plurality of regions that is adjacent to the second region. Seismic data may be acquired utilizing the plurality of seismic receivers, and noise may be removed therefrom.

IPC 8 full level

**G01V 1/00** (2006.01); **G01V 1/28** (2006.01)

CPC (source: EP US)

**G01V 1/003** (2013.01 - EP US); **G01V 1/28** (2013.01 - EP US); **G01V 1/32** (2013.01 - US); **G01V 1/36** (2013.01 - US); **G01V 2210/20** (2013.01 - US); **G01V 2210/324** (2013.01 - US); **G01V 2210/3248** (2013.01 - US); **G01V 2210/55** (2013.01 - EP US)

Citation (search report)

See references of WO 2016064845A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**US 2016109595 A1 20160421**; **US 9903968 B2 20180227**; CA 3002642 A1 20160428; EP 3210047 A1 20170830; WO 2016064845 A1 20160428

DOCDB simple family (application)

**US 201514887948 A 20151020**; CA 3002642 A 20151020; EP 15787423 A 20151020; US 2015056421 W 20151020